CLAIMS

1. A storage-type data broadcast service system for transmitting a first transport stream constituting at least one content and containing a plurality of packet data having a program clock reference as reference clock information when reproducing the content, at a second transfer rate different from a first transfer rate which is determined by the reference clock information, and extracting the plurality of packet data composing the content from the transmitted transport stream to generate and store a second transport stream, comprising:

a transmitter for transmitting the plurality of packet data composing the content at the second transfer rate, and

a receiver for receiving the transmitted first transport stream and detecting a transfer rate ratio between the first transfer rate and the second transfer rate to generate the second transport stream based on the detected transfer rate ratio.

2. The storage-type data broadcast service system according to claim 1,

wherein the receiver comprises:

a PCR extractor for extracting the program clock reference contained in the first transport stream,

an STC recoverer for recovering, based on the extracted program clock reference, a system time clock which is

a processing reference clock for the packet data,

a PCR correction factor calculator for detecting the transfer rate ratio based on two contiguous said extracted program clock references, and deriving, based on the transfer rate ratio, a correction factor for correcting the extracted program clock reference so as to match the second transfer rate, and

a PCR corrector for correcting the extracted program clock reference based on the correction factor, wherein the STC recoverer is feedback-controlled to recover a system time clock based on the corrected program clock reference.

3. The storage-type data broadcast service system according to claim 1,

wherein the receiver comprises:

a PCR extractor for extracting the program clock reference contained in the first transport stream,

an STC recoverer for recovering, based on the extracted program clock reference, a system time clock which is a processing reference clock for the packet data,

an STC/PCR rate ratio calculator for deriving, based on the extracted program clock reference and the recovered system time clock, a correction factor for correcting the extracted program clock reference so as to match the second transfer rate, and

a PCR corrector for correcting the extracted program

clock reference based on the correction factor, wherein the STC recoverer is feedback-controlled to recover a system time clock based on the corrected program clock reference.

4. The storage-type data broadcast service system according to claim 1,

wherein the receiver comprises:

a PCR extractor for extracting the program clock reference contained in the first transport stream,

a PCRr specifier for causing the PCR extractor to extract as a standard program clock reference the reference clock contained in the first transport stream and contained in packet data transferred at the first transfer rate, and

an STC recoverer for recovering, based on the extracted standard program clock reference, a system time clock which is a processing reference clock for the packet data.

5. The storage-type data broadcast service system according to claim 1,

wherein the transmitter comprises a transfer rate ratio appender for assigning the transfer rate ratio to the first transport stream TS, and

wherein the receiver comprises:

a PCR extractor for extracting the program clock reference contained in the first transport stream,

an STC recoverer for recovering, based on the extracted program clock reference, a system time clock which is a processing reference clock for the packet data,

a PCR correction factor generator for extracting the transfer rate ratio from the first transport stream, and deriving, based on the extracted transfer rate ratio, a correction factor for correcting the extracted program clock reference so as to match the second transfer rate, and

a PCR corrector for correcting the extracted program clock reference based on the correction factor, wherein the STC recoverer is feedback-controlled to recover a system time clock based on the corrected program clock reference.